

SPECIMEN



GENERAL INFORMATION

ECLIPSE-N is a uniquely formulated fertilizer additive for urea and ammonium nitrate (UAN) fertilizers. By slowing the urea conversion process to ammonia gas, less nitrogen is lost due to volatilization. The product inhibits the activity of the urease enzyme reducing nitrogen loss. This nitrogen stabilizer is combined with urea or urea containing fertilizers prior to application. The combination, recognized as an enhanced efficiency fertilizer, can be incorporated or applied pre-plant, side-dress or used for surface applications. It helps create an efficient nitrogen source for all crops, turf and forestry.

DIRECTIONS FOR USE

READ THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT.

Always read and follow label directions.

For professional use only. Not a fertilizer substitute. Do not use for feed applications.

Do not apply directly to water. Avoid contaminating waterways and sewers during cleaning of equipment, disposal of wastes.

USE RATE

ECLIPSE-N nitrogen stabilizer is supplied as a 26.7% by weight active ingredient solution.

General rate recommendations are based on average conditions. Rates may be adjusted higher as needed based on the field conditions, including the following:

1. **Soil pH:** Values higher than 7.0 pose risk of higher potential for volatility.
2. **Days of Control Needed:** 0.8 inches of rain or irrigation is required to move urea into the soil.
3. **Residue Level:** Residues in excess of 30% present higher levels of urease and higher volatility can be expected.

Use Rate per Ton of Fertilizer

Urea 2 to 4 quarts per ton

UAN 1.5 to 2.5 quarts per ton

UREA APPLICATION

Ensure operators are wearing proper Personal Protective Equipment (PPE) (see front label).

Blending area must be well ventilated with large volumes of air exchange. NIOSH/MSHA approved organic/mist respirators may be required if there is insufficient ventilation.

Minimize temperature and humidity extremes when blending. Extremes may result in urea particles sticking together creating problems with uniform coverage. Small amounts of drying agents may be used as deemed appropriate for local conditions. The use of such products is based upon the blender's experience with such agents.

Equipment Required

A fertilizer blender or other suitable rotary device is suitable for uniform blending of urea and ECLIPSE-N nitrogen stabilizer. Ensure that all surfaces of the blender that come into contact with materials are clean, dry and rust-free.

Blending Procedure

Accurately weigh all materials in the blend formula. Add urea first to the blender. ECLIPSE-N nitrogen stabilizer should be blended with the urea before introducing any other fertilizer components.

Apply ECLIPSE-N nitrogen stabilizer to urea in blender by suitable method and allow sufficient time to produce a uniformly blended product. Dye is added to the product to act as an indicator of uniform blending.

Urea Storage

Treated urea can be stored up to six weeks without significant degradation, but it is recommended to use treated fertilizer as soon as possible.

Granular dry urea treated with ECLIPSE-N stabilizer is suitable for longer-term storage in sealed plastic bags. Research shows stabilized fertilizer packaged in sealed bags may be stored up to 9 months between 66°F and 77°F.

UAN APPLICATION

Ensure operators are wearing proper Personal Protective Equipment (PPE) (see front label).

Blending Procedure

Fill the blend unit half full with UAN solution.

ECLIPSE-N nitrogen stabilizer at the appropriate rate for the entire load and mix.

Add the remaining UAN solution and mix thoroughly prior to the addition of any surfactants, pesticides or any other materials.

Compatibility

Perform a jar test with any additional products to evaluate compatibility before mixing. Note the glyphosate herbicides may cause an increase in the rate of degradation of NBPT. Apply these blends soon after mixing.

UAN Storage

The half-life of ECLIPSE-N nitrogen stabilizer in UAN solutions is dependent upon components used and storage conditions. It is estimated that acceptable performance could be expected up to 10 weeks when stored at 77°F.

TURF APPLICATIONS

Ensure operators are wearing proper Personal Protective Equipment (PPE) (see front label).

It is recommended that ECLIPSE-N nitrogen stabilizer be blended with pure urea fertilizers or soluble urea solutions at four ounces per fifty pounds of urea.

Reference the instructions for urea and UAN provided above. Use only clean urea for melting into solution if you choose this approach.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Product Storage: Store locked up in a dry place in the original container. Do not store near food, foodstuffs, drugs or potable water.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

PROTECT FROM FREEZING—NOT A FERTILIZER SUBSTITUTE

CONDITIONS OF SALE AND LIMITATION OF WARRANTY

DISCLAIMER OF WARRANTIES: Seller warrants that the composition of this product conforms to the description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures not specifically recommended on this label or an accompanying written recommendation, are beyond the control of the seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon seller.

CONTENT ANALYSIS

N-(n-butyl) thiophosphoric triamide (NBPT)..... 26.7%

Total Inert Ingredients: (dimethyl sulfoxide, glycerin, benzaldehyde)..... 73.3%

Weight per gallon: 9.65 lbs. per gallon @ 68°F.

PRECAUTIONARY STATEMENTS

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned get medical advice/attention. Store locked up. Dispose of contents/container in accordance with all applicable federal, state and local regulations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear protective gloves, protective clothing, eye protection/face protection.

FIRST AID

IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center.



DANGER

CAUSES SERIOUS EYE DAMAGE.

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

NET CONTENTS: 2.5 GALLONS (9.46 LITERS)



Sustainable

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